



**MOTOROLA SOLUTIONS**

## **EU Declaration of Conformity (DoC-17052300719-A)**

This declaration of conformity is issued under the sole responsibility of the manufacturer. The object of the declaration is in conformity with the relevant Union harmonization legislation:

2014/53/EU Radio Equipment Directive  
2013/35/EU on Occupational Exposure to Electromagnetic Fields  
2011/65/EU on RoHS-2 for Restriction of the use of Hazardous Substances  
2012/19/EU WEEE Waste Electrical and Electronic Equipment  
1999/5/EC on Radio Equipment and Telecommunications Terminal Equipment (Non-RED Countries)

**Object of the Declaration:** Talkabout PMR446 TX0.5W Portable Subscriber Radio

Model: Talkabout T82 EXTREME Tanapa: IXUE2117A

Model: Talkabout T82 Tanapa: IXUE2118A

T82 EXTREME IXUE2117A is part of :

IXUE2109A TALKABOUT T82 EXTREME Twin Pack WE  
IXUE2110A TALKABOUT T82 EXTREME Twin Pack UK  
IXUE2111A TALKABOUT T82 EXTREME RSM Twin Pack WE  
IXUE2112A TALKABOUT T82 EXTREME RSM Twin Pack UK  
IXUE2113A TALKABOUT T82 EXTREME Quad Pack WE  
IXUE2114A TALKABOUT T82 EXTREME Quad Pack UK

T82 IXUE2118A is part of Twin Pack:

IXUE2115A TALKABOUT T82 Twin Pack & Chgr WE  
IXUE2116A TALKABOUT T82 Twin Pack & Chgr UK  
PMUE5291A TALKABOUT T82 Twin Pack & Chgr SG-MY

**Manufacturer:** Motorola Solutions Germany GmbH , Am Borsigturm 130, 13507 Berlin, Germany

### **Conformity:**

#### **Radio Equipment, Article 3(2):**

EN 300 296 V2.2.1 (RED)

EN 300 296-1 V1.4.1, EN 300 296-2 V1.4.1 (RTTE)

#### **EMC, Article 3(1)b:**

EN 301 489 - 1 V1.9.2,

EN 301 489 - 5 V1.3.1

in compliance also with draft version (RED):

EN 301 489-1 V2.2.0 (2017-03)

EN 301 489-5 V2.2.0 (2017-03)

#### **Safety, Article 3(1)a:**

EN 60950-1:2006/A11:2009/A1:2010/A12:2011/AC:2011/A2:2013

Compliant with the ICNIRP (1998) General Population / Uncontrolled Exposure

EN 50360:2001/A1:2012

EN 50566:2013

### **Year of first application of CE mark: 2017**

The essential radio test suites, as defined in the quoted harmonized standards, have been performed.

BERLIN, 31-MAY-2017

Thomas Nagel  
Site Controller Berlin, Motorola Solutions Germany GmbH,  
Am Borsigturm 130, D-13507 Berlin, Germany

Rüdiger Maurer  
Director of Product Safety and Regulatory Compliance,  
Motorola Solutions Germany GmbH

**Rev. 2 Addendum to EU Declaration of Conformity (DoC-17052300719-A)**

This declaration of conformity is an addendum to above referenced product DoC and is issued under the sole responsibility of the manufacturer.

The accessories described below are in conformity with the relevant Union harmonisation legislation.

The listed accessories are certified and approved for use with the radios listed in the referenced DoC.

**AUDIO**

IXTN4011A	SINGLE PIN EARPIECE WITH BOOM MIC/VOX
IXTN4022A	SINGLE PIN SURVEILLANCE EARPIECE
NTN8867A	SINGLE PIN REMOTE SPEAKER MIC
NTN8868CR	SINGLE PIN HEADSET WITH SWIVEL BOOM MIC/VOX
NTN8870DR	CONSUMER EARBUD (Earbud with push-to-talk microphone)

**BATTERY**

Alkaline	3XAA Alkaline individual batteries
1532	1300MAH 3XAA NIMH RECHARGEABLE BATTERY PACK
PMNN4477A	800MAH 3XAA NIMH RECHARGEABLE BATTERY PACK

**CHARGER**

IXPN4039AR	TALKABOUT TWINPACK CHARGING TRAY WITH PSU WE
IXPN4040AR	TALKABOUT TWINPACK CHARGING TRAY WITH PSU UK-SG-MY
PMKN4182A	MICRO-USB CABLE
PMPN4082A	CAR CHARGER WITH TWO USB SLOT

**POWERSUPPLY**

PS000132A02	POWER SUPPLY ADAPTOR,POWER- BRICK,AC,DC,SWITCH MODE, 3W, L5, 100 V - 240 V, MICRO USB, EU
PS000132A03	POWER SUPPLY ADAPTOR,POWER- BRICK,AC,DC,SWITCH MODE, 3W, L5 100 V - 240 V, MICRO USB, UK
PS000132A12	POWER SUPPLY ADAPTOR,POWER- BRICK,AC,DC,SWITCH MODE, 3W, L5, 100 V - 240 V, DUAL MICRO USB, EU
PS000132A13	POWER SUPPLY ADAPTOR,POWER- BRICK,AC,DC,SWITCH MODE, 3W, L5 100 V - 240 V, DUAL MICRO USB, UK

**SOFTWARE**

The installed radio software is under the full control of the manufacturer with no access by the user and is in compliance with the relevant directives.

The above accessories are shown with their global part numbers. In practice the accessory will have a regional prefix. Prefixes are purely done for regional kittings - primarily the manual (languages) and packaging. Prefixes are MD for European countries, AA of United States and AZ for Asia/Pacific region.

Note: A copy of the above referenced signed and dated Declaration of Conformity can be obtained either via your local Motorola help desk, via your dealer from where you purchased this radio or alternatively you can send an email request to [manufacturerdeclaration.eu@motorolasolutions.com](mailto:manufacturerdeclaration.eu@motorolasolutions.com), or via <http://www.motorolasolutions.com/Business/XU-EN/BMS+Resource+Library>

## Electromagnetic Energy (EME) Test Laboratory

### Supporting evidence of compliance of models listed with applicable RF Energy exposure and measurement standards

This declaration confirms compliance of Motorola Solutions' portable radio(s) with certified accessories

Model Number	Type	Designator	Description
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IXUE2117A	NA		T82 EXTREME RECHARGEABLE 2-WAY RADIO, PMR446, 0.5W, YELLOW
IXUE2118A	N/A		T82 RECHARGEABLE 2-WAY RADIO, PMR446, 0.5W, ORANGE

with the ICNIRP<sup>1</sup> limits for radio frequency (RF) energy exposure. These limits are part of comprehensive guidelines that establish permitted levels of RF energy exposures. The guidelines were developed by an independent accrediting agency, the American Association for Laboratory Accreditation (A2LA), in accordance with the applicable testing guidelines set forth in IEC62209-1 and published by CENELEC as EN62209-1, and also, in accordance with IEC62209-2 and published by CENELEC as EN62209-2.

The exposure standard employs a specification known as the Specific Absorption Rate (SAR), measured in units of watts per kilogram (W/kg). SAR tests of Motorola Solutions radios are conducted using standard operating positions while transmitting at nominal power with results scaled to its highest certified power level in all tested frequency bands.

The SAR tests and evaluations for these products were performed at the Motorola Solutions Electromagnetic Energy (EME) Test Laboratory, which has been certified to the ISO/IEC Guide 17025 by an independent accrediting agency, the American Association for Laboratory Accreditation (A2LA), in accordance with the applicable testing guidelines set forth in IEC62209-1 and published by CENELEC as EN62209-1, and also, in accordance with IEC62209-2 and published by CENELEC as EN62209-2.

As certified in our EME lab, these Motorola radio models, in all modes (side of head, on the body and in front of the face as applicable) and at its highest certified power level, is compliant with the ICNIRP general public SAR limit of 10g SAR limit of 2W/kg, as required in harmonized standards EN50360<sup>4</sup> and EN50566<sup>5</sup>, as well as the ICNIRP occupational 10g SAR limit of 10 W/kg.

Sincerely,



Digitally signed by  
Tiong Nguk Ing  
DN: cn=Tiong Nguk  
Ing, o=Motorola  
Solutions,  
ou=Regulatory  
Compliance Lab,  
email=ti.iong@motor  
ola.com, c=MY  
Date: 2017.05.30  
15:00:31 +08'00'

Tiong Nguk Ing on behalf of Pei Loo Tey  
Penang EME Laboratory Manager  
DATE : 28-MAY-2017

<sup>1</sup> ICNIRP (1998): International Commission on Non Ionizing Radiation Protection, "Guidelines for Limiting Exposure to Time-Varying Electric, Magnetic, and Electromagnetic Fields (Up to 300 GHz)" Health Physics, vol. 75, no. 4, pp. 494-522.

<sup>2</sup> Council Recommendation of 12 July 1999 on the limitation of exposure of the general public to electromagnetic fields (0 Hz to 300 GHz).

<sup>3</sup> Directive 2013/35/EU of the European Parliament and of the Council of 26 June 2013 on the minimum health and safety requirements regarding the exposure of workers to the risks arising from physical agents (electromagnetic fields).

<sup>4</sup> Product standard to demonstrate the compliance of mobile phones with the basic restrictions related to human exposure to electromagnetic fields (300 MHz - 3 GHz).

<sup>5</sup> Product standard to demonstrate compliance of radio frequency fields from handheld and body-mounted wireless communication devices used by the general public (30 MHz - 6 GHz).